Product data sheet
Characteristics

ATS48C66Q
soft starter for asynchronous motor, ATS48, 605 A, 230..415 V, 160..500 KW

Main

Range of product	Altistart 48
Product or component type	Soft starter
Product destination	Asynchronous motors
Product specific application	Heavy duty industry and pumps
Device short name	ATS48
Utilisation category	AC-53A
[Us] rated supply voltage	230...415 V - 15...10 %
Supply frequency	50...60 Hz - 5...5 %
Motor power kW	160 KW at 230 V connection in the motor supply line for severe applications 315 KW at 230 V connection to the motor delta terminals for standard applications 315 KW at 400 V connection in the motor supply line for severe applications 355 KW at 400 V connection in the motor supply line for standard applications 400 KW at 400 V connection to the motor delta terminals for severe applications 500 KW at 400 V connection to the motor delta terminals for standard applications

Complementary

Device connection	To the motor delta terminals In the motor supply line
Protection type	Phase failure: line Thermal protection: motor Thermal protection: starter
Standards	EN/IEC 60947-4-2
Product certifications	DNV SEPRO TCF CCC UL CSA NOM 117 C-Tick GOST
Marking	CE
Discrete input number	5
Discrete input type	PTC, 750 Ohm at 25 °C (Stop, Run, LI3, LI4) logic, <= 8 mA 4300 Ohm
Discrete input logic	Positive logic Stop, Run, LI3, LI4 at State 0: < 5 V and <= 2 mA at S-tate 1: > 11 V, >= 5 mA
Minimum switching current	10 MA at 6 V DC for relay outputs
Discrete output number	2

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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Discrete output type	(LO1) logic output 0 V common configurable (LO2) logic output 0 V common configurable (R1) relay outputs fault relay NO (R2) relay outputs end of starting relay NO (R3) relay outputs motor powered NO
Analogue output type	Current output AO: 0-20 mA or 4-20 mA, impedance <500 Ohm
Communication port protocol	Modbus
Connector type	1 RJ45
Communication data link	Serial
Physical interface	RS485 multidrop
Transmission rate	4800, 9600 or 19200 bps
Function available	External bypass (optional)
Operating position	Vertical +/- 10 degree
Height	670 Mm
Width	400 Mm
Depth	300 Mm
Net weight	51.4 Kg

Environment

Electromagnetic compatibility	Conducted and radiated emissions level A conforming to IEC 60947-4-2 Damped oscillating waves level 3 conforming to IEC 61000-4-12 Electrostatic discharge level 3 conforming to IEC 61000-4-2 Immunity to electrical transients level 4 conforming to IEC 61000-4-4 Immunity to radiated radio-electrical interference level 3 conforming- to IEC 61000-4-3 Voltage/Current impulse level 3 conforming to IEC 61000-4-5
Relative humidity	0…95 % without condensation or dripping water conforming to EN/IEC 60068-2-3
Ambient air temperature for operation	40…60 °C (with current derating of 2 % per °C) -10…40 °C (without derating)
Ambient air temperature for storage	-25…70 °C
Operating altitude	<= 1000 m without derating > 1000...2000 m with current derating of 2.2 % per additional 100 m

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	53.405 Kg
Package 1 Height	39 Cm
Package 1 width	59 Cm
Package 1 Length	78 Cm
Unit Type of Package 2	P06
Number of Units in Package 2	1
Package 2 Weight	61.905 Kg
Package 2 Height	77 Cm
Package 2 width	80 Cm
Package 2 Length	60 Cm

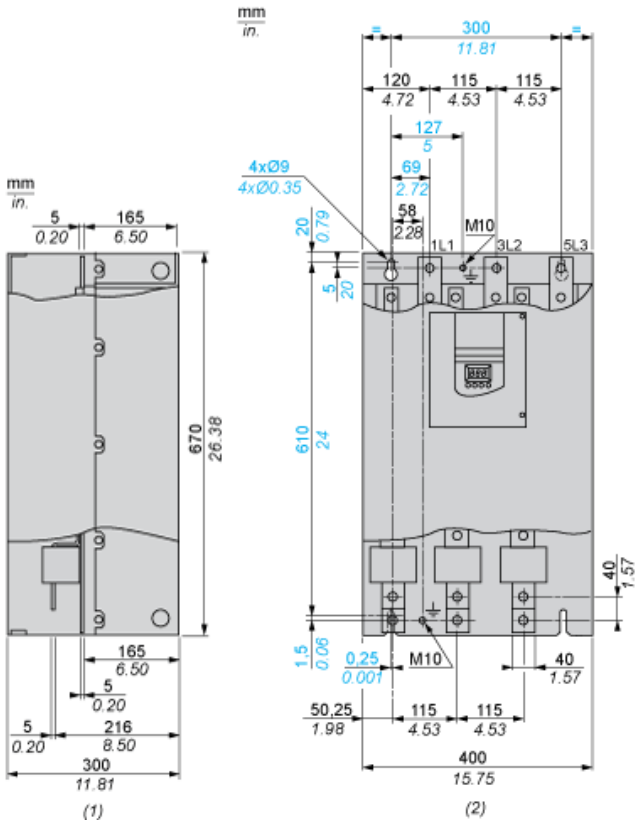
Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months

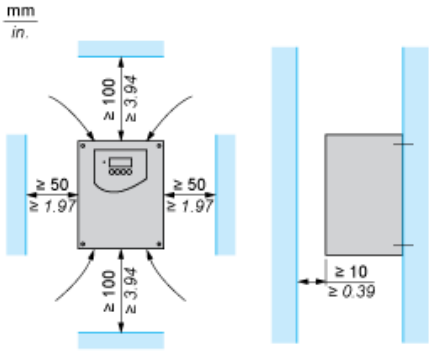
Dimensions



(1) Right View

(2) Front View

Clearance



Product Life Status :	Commercialised